#### **Electronic Supplementary Information: part 3**

#### Photoactivatable HNO-releasing Compounds Using the retro-Diels-Alder Reaction

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#### <NMR charts>

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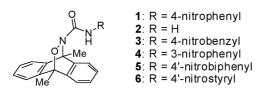


Chart S3-1: Compound **1**, 1H-NMR Chart S3-2: Compound **1**, 13C-NMR

Chart S3-3: Compound **2**, 1H-NMR Chart S3-4: Compound **2**, 13C-NMR

Chart S3-5: Compound **3**, 1H-NMR Chart S3-6: Compound **3**, 13C-NMR

Chart S3-7: Compound 4, 1H-NMR

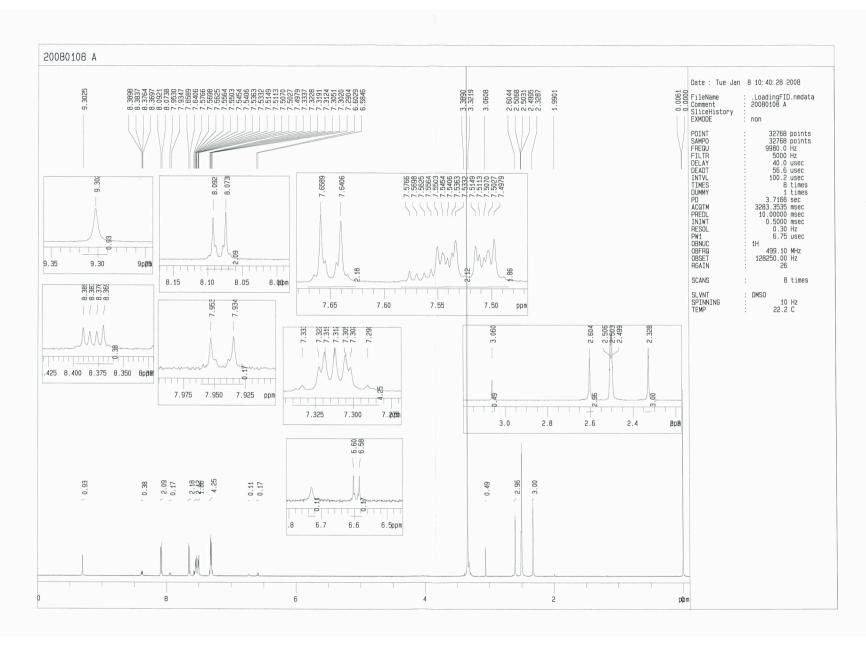
Chart S3-8: Compound 4, 13C-NMR

Chart S3-9: Compound 5, 1H-NMR

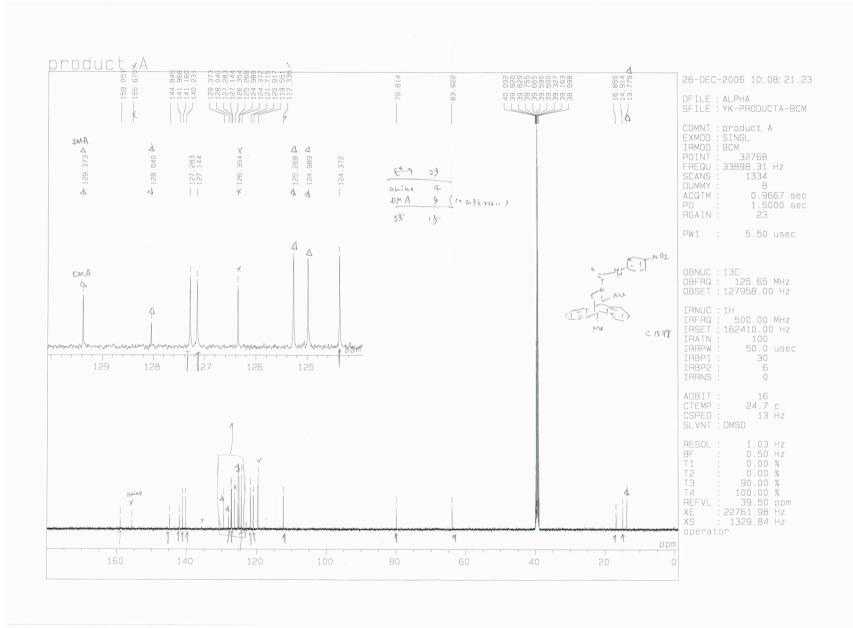
Chart S3-10: Compound 5, 13C-NMR-1 (accumulation for 2 hr)

Chart S3-11: Compound **5**, 13C-NMR-2 (accumulation for 13 hr 45 min). Due to the long time accumulation need to identify quaternary carbon atoms of the compound, the carbon signals attributed to the thermal decomposition products, 4-(4'-nitrophenyl)aniline and 9,10-dimethylanthracene, appeared in this charts even under the isothermal control (at 20°C for DMSO-d6 solvent). These thermal decomposition products were substantially not observed in the chart accumulated for 2 hr (Chart S3-10).

Chart S3-12: Compound 6, 1H-NMR



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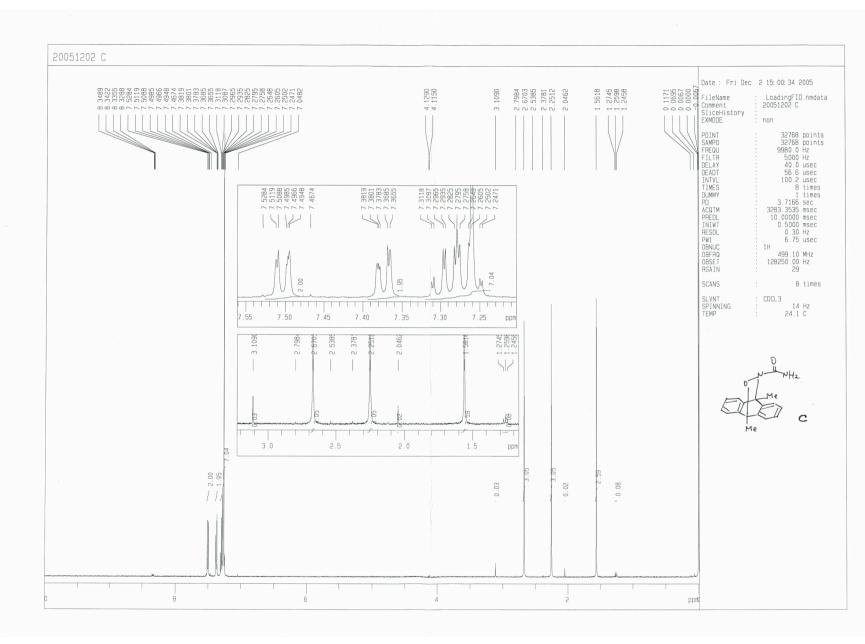
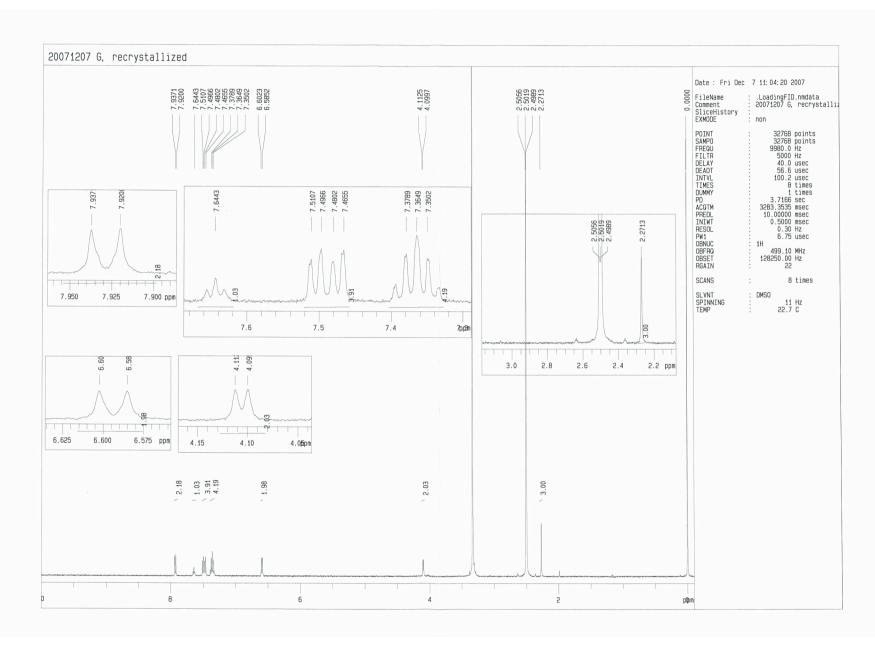




Chart S3-4

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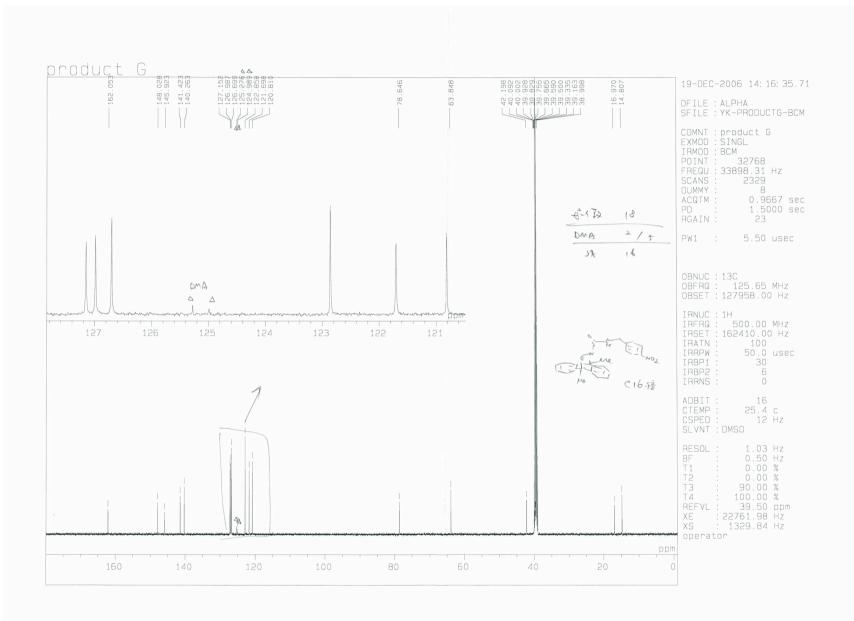
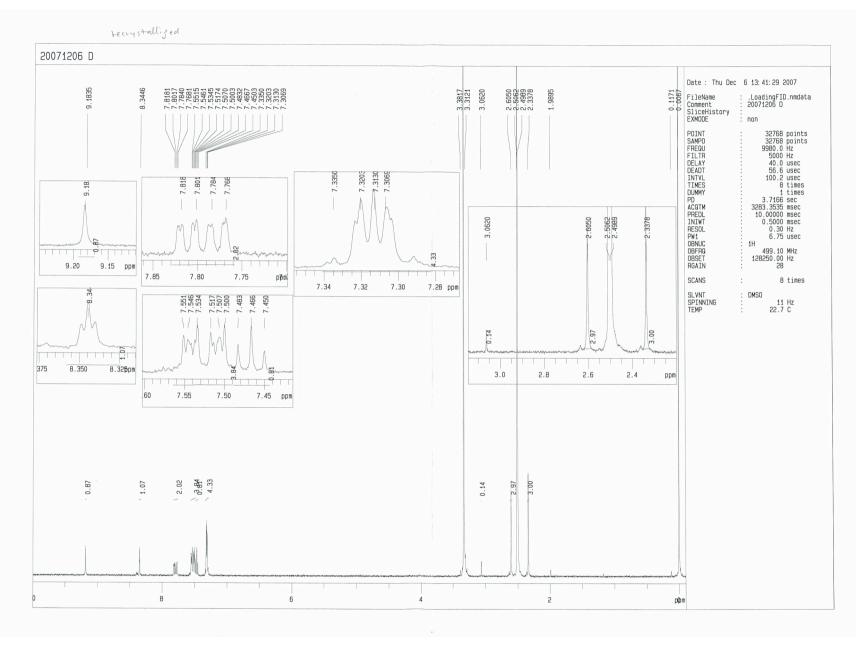
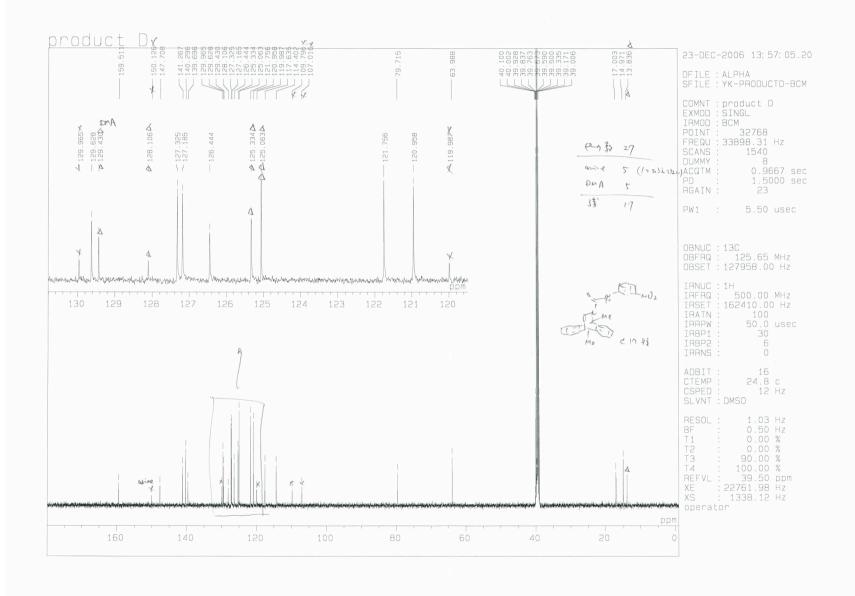


Chart S3-6

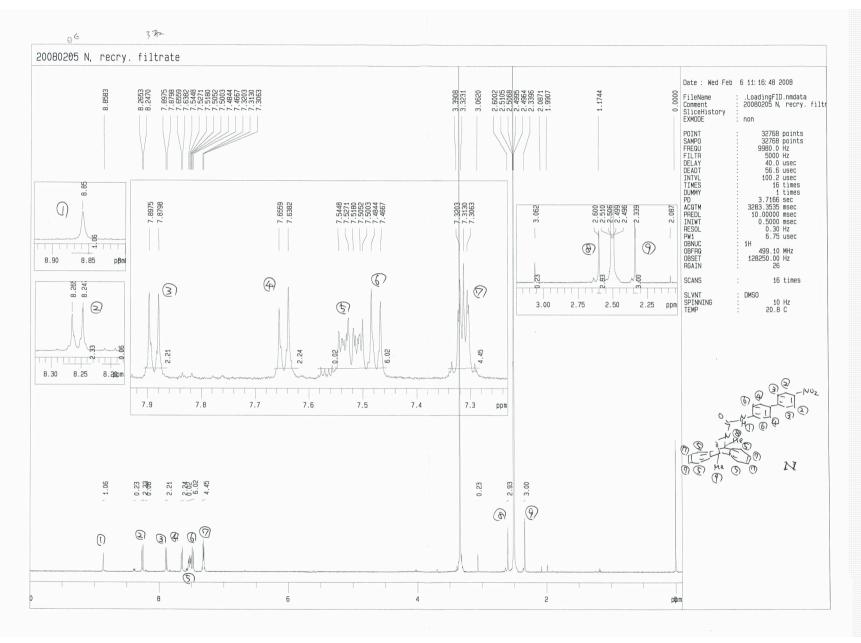
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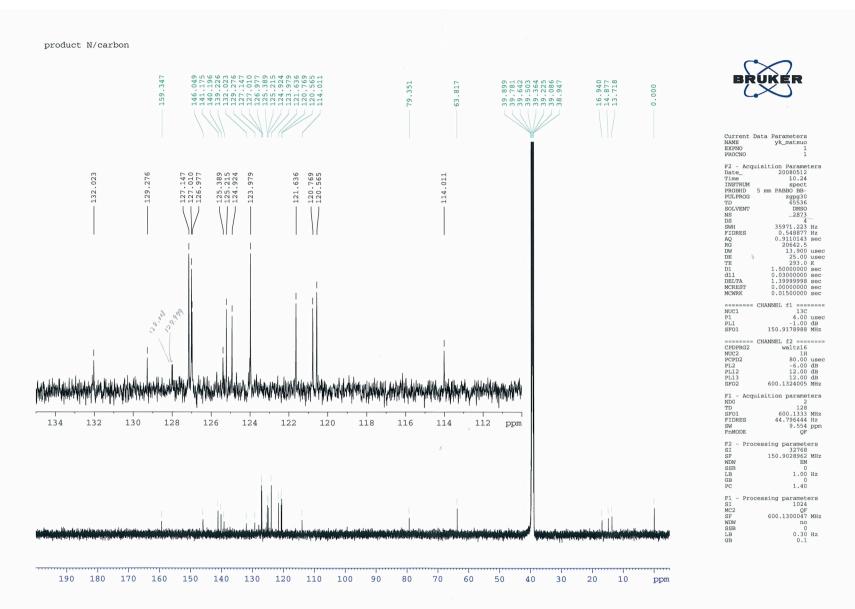
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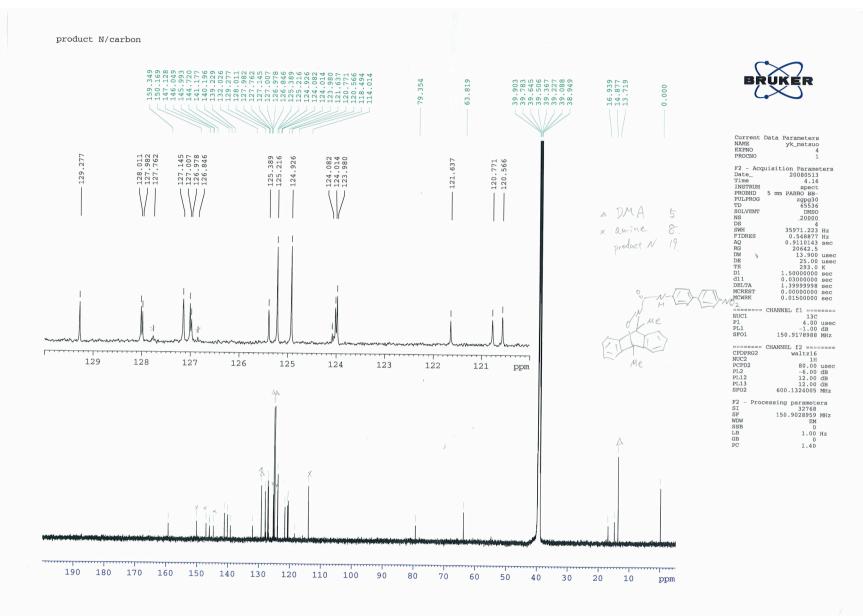


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